

# 2023 Summer Institute - Energy Futures July 4-8, 2023



Tuesday, July 4	Wednesday, July 5	Thursday, July 6	Friday, July 7	Saturday, July 8
<b>Edmonton -&gt; Lac La Biche</b>	<b>Lac La Biche→Fort McMurray</b>	<b>Fort McMurray→Fort Saskatchewan</b>	<b>Fort Saskatchewan/Sherwood Park</b>	<b>Fort McMurray → Edmonton</b>
<p><b>Welcome and Introductions &amp; Energy 101</b></p> <p>Get to know the program and your colleagues from across Canada in this energizing introduction to energy! Led by the program facilitators at Inside Education.</p>	<p><b>In-situ Oil Sands Production Site Tour</b></p> <p>Discover how bitumen is extracted from deep underground through in situ recovery technologies and learn first-hand how one of Canada's largest oil and gas companies is addressing GHG emissions and sustainability</p>	<p><b>Mining Site Tour</b></p> <p>Get an up close look at the process behind surface mining of Alberta's oil sands, the tour will include reclamation for oil sands tailings.</p>	<p><b>Net-Zero and Clean Fuels Site Tours</b></p> <p>Spend the morning checking out the current innovations that are driving the energy sector including carbon capture, biofuels, and hydrogen!</p>	<p><b>Future-Ready Youth and Indigenous Climate Action</b></p> <p>Be inspired by success stories from the Indian Resource Council to inspire and activate youth climate initiatives</p>
<p><b>Energy, Carbon &amp; Climate TED Talks</b></p> <p>We will set the stage for the program with a series of talks designed to provide an overview of the connection between carbon management, climate and energy.</p>		<p><b>Boreal Wetlands and Reclamation</b></p> <p>Get your feet wet in the wild world of boreal wetlands while exploring these massive carbon sinks.</p>	<p><b>Pipeline Connections</b></p> <p>Check out how major pipeline companies manage the lines that link the entire system together.</p>	<p><b>Classroom Connections Workshop</b></p> <p>Take what you've learned and brainstorm how to apply it in your classroom</p> <p><b>PROGRAM WRAP UP</b></p>
<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
<p><b>Research Tour</b></p> <p>Get a firsthand look at the research driving innovation in the energy sector at the University of Alberta</p>	<p><b>Air, Water &amp; Wildlife</b></p> <p>Hands on activities that connect climate change boreal ecology</p>	<p><b>Travel To Smoky Lake</b></p>	<p><b>Renewable Energy Technologies</b></p> <p>Tour stops en route will explore the role of alternative and renewables on Alberta's energy landscape</p>	<p>Schedule is TBC and subject to change</p>
<p><b>TRAVEL TO Lac La Biche</b></p> <p>A road side view of the intersection between ecosystems and land use as we travel north.</p>	<p><b>Oil Sands Discovery Centre Guided Tour</b></p> <p>Get a unique guided tour of the oil sands discovery centre including an oil sands extraction demonstration</p>	<p><b>Metis Crossing Solar Tour and Cultural Experience</b></p> <p>A unique experience at this beautiful location where we will learn about solar energy, enjoy a dinner and a cultural experience.</p>		
<i>Dinner</i>	<i>Dinner</i>	<i>Dinner</i>	<i>Dinner</i>	
<b>Lac La Biche Overnight</b>	<b>Fort McMurray Camp Overnight</b>	<b>Metis Crossing, Smoky Lake Overnight</b>	<b>Edmonton Overnight</b>	